



CONSTELLATION REWINDER







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CONSTELLATION

REWINDER

Constellation, the revolutionary new rewinder by Fabio Perini company, ushers in a new era in tissue converting. The result of an innovative patent, it radically changes the winding process. Thanks to its new surface-central system equipped with 4 reciprocating rolls and to the renowned *punzoncini* technology, Constellation automatically creates a "rewinding map" that manages log growth at every phase, guaranteeing **uniform winding from first to last sheet.** A "spontaneous" growth of the log provides high production consistency and maximum embossing yield at every point of the roll.

For this reason, Constellation is designed to simplify daily operations even for less experienced operators, while at the same time making them safer. The new Easy HMI panel developed pursuant to the most recent principles of cognitive ergonomics makes controls extremely intuitive, using easily understandable terminology and icons.

Why CONSTELLATION?



Superior technology for greater value

- Uniform winding: hybrid surfacecentral system (4 variable speed oscillating rolls with punzoncini technology)
- High performance levels: high production speeds and elimination of vibration
- Consistent log growth: separate zones for winding start, log growth and log exit
- Structured webs: ability to tolerate base sheet imperfections due to variations in paper caliper



Quality of the finished product

- Uniform winding throughout the roll
- Perfect embossing from first to last sheet
- Log diameter increases of up to 17%* based on the same meters of paper wound
- Based on the same diameter, reduction of paper used by up to 22%*
- Extremely soft rolls: base sheet characteristics and softness maintained also for structured webs



Ease of use

- Quick & intuitive product changeover: minimum number of parameters to set
- Easy HMI: innovative control interface, intuitive and ergonomic
- Restart operations simplified and totally safe

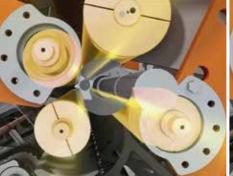
Technical characteristics Type of functioning Combined surface-central winding through Fixed perforating roll Fixed roll with 4 blades with axially four rolls, web severing through Sincro Evo, adjustable winding start with glue Two rotating perforation rolls with 6 blades Rotating perforating roll with "variable geometry" (6+2) **Nominal formats** 2700 mm (106.30"), 2800 mm (110.24") and 3600 mm (141.73") Double perforation is Standard Perforation length and inclination Installed power 90 Kw (120,7 HP) adjustable by panel (HMI) Easy HMI Control system Pneumatic system Main drive Independent motor **Product characteristics** Speed 800 mpm (2625 fpm) for formats 2.7 and 2.8 Min 90 mm (3.54") Log diameter Max Ø 200 mm (7.87") Maximum production Up to 60 log/1 Core diameter Min 38 mm (1.50") Max 50 mm (1.97" Web tension control Through load cells min - max Sheet count By increments of 1, with no limits, up From 100 mm (3.94") to 400 mm (15.75") Perforation length to max diameter attainment













Due to technical and/or construction evolutions or variations, the illustrations reported may not correspond in detail to machinery presently in production

^{*} Data subject to change based on finished product